the electrically conductive segment is disposed in the section body of the second coupling section, the electrically conductive segment having an inner diameter dimensioned to match the outer diameter of the electrically conductive layer, and wherein

the second electrically conductive layer is disposed around the electrically conductive layer, the second electrically conductive layer having an inner diameter concentric to and greater than the outer diameter of the electrically conductive layer, defining a concentric air space between the electrically conductive layer and the second electrically conductive layers, and

the second electrically conductive segment is disposed around the electrically conductive segment, the second electrically conductive segment having a further outer diameter concentric to the inner diameter of the electrically conductive segment, the further outer diameter dimensioned to match the inner diameter of the second electrical conductive layer, so as to allow the second electrically conductive segment and the electrically conductive segment to reside in at least part of the concentric air space when the first and second coupling sections are in the first and second coupling positions.

7. The hinge of claim **6**, wherein the second coupling section further comprises an insulation layer disposed between the electrically conductive layer and the second electrically conductive segments.

8. The hinge of claim **6**, wherein the first coupling section further comprises an insulation layer disposed outside the second electrically conductive layer.

9. The hinge of claim **1**, wherein the first coupling section has a longitudinal axis, and the first hinge part further comprises a further hinge section fixedly connected to the first coupling section, the further hinge section having a rotational axis substantially perpendicular to the longitudinal axis.

10. The hinge of claim **1**, wherein the second coupling section has a longitudinal axis, and the second hinge part further comprises a further hinge section fixedly connected to the second coupling section, the further hinge section having a rotational axis substantially perpendicular to the longitudinal axis.

11. A portable device comprising a first device part and a second device part coupled to the hinge of claim **1**, such that the first device part is mechanically coupled to the first hinge part, and the second device part mechanically is coupled to the second hinge part so that the first and second device parts are mechanically coupled to one another and the first and second device parts are movable relative to one another.

12. The portable device of claim **11**, wherein the first coupling section in the hinge further comprises a second electrically conductive layer spaced from the electrically conductive layer; and

the second coupling section further comprises a second electrical conductive segment spaced from the electrically conductive segment, and wherein

the second electrically conductive layer is in electrical contact with the second electrical conductive segment when the first and second coupling sections are in the first mechanical coupling position and in the second mechanical coupling position.

13. The portable device of claim **12**, comprising a mobile phone.

14. A method for providing electrical contacts and optical signals between a first device part and a second device part through a hinge having a first hinge part and a second hinge part, wherein first device part is mechanically coupled to the first hinge part and the second device part is mechanically coupled to the second hinge part for providing mechanical linkage and relative movement between the first and second device parts, said method comprising:

providing a first coupling section to the first hinge part, the first coupling section having at least a section body with a constant cross section;

providing a second coupling section to the second hinge part, the second coupling section having at least a section body with a constant cross section, dimensioned for mechanically engaging with the first coupling section such that the first and second coupling sections are slidable against one another to provide at least a first mechanical coupling position and a second mechanical coupling position while the first and section coupling sections remain engaged with one another,

disposing at least one electrically conductive layer and a first optical conduit in the first coupling section; and

disposing at least one electrical conductive segment and a second optical conduit in the second coupling section, such that

the electrically conductive layer is in electrical contact with the electrical conductive segment when the first and second coupling sections are in the first mechanical coupling position and in the second mechanical coupling position; and

the first optical conduit is positioned relative to the second optical conduit for conveying optical signals, when the first and second coupling sections are in the first mechanical coupling position and in the second mechanical coupling position.

15. The method of claim **14**, further comprising:

positioning at least part of the first optical conduit substantially in a center section of the cross section of the first coupling section; and

positioning at least part of the second optical conduit substantially in a center section of the cross section of the second coupling section.

16. The method of claim **14**, further comprising:

disposing in the first coupling section a second electrically conductive layer spaced from the electrically conductive layer; and

disposing in the second coupling section a second electrical conductive segment spaced from the electrically conductive segment, such that

the second electrically conductive layer is in electrical contact with the second electrical conductive segment when the first and second coupling sections are in the first mechanical coupling position and in the second mechanical coupling position.

17. The method of claim **15**, further comprising:

positioning the electrically conductive layer around the first optical conduit, the electrically conductive layer having an outer diameter; and

positioning the electrically conductive segment in the section body of the second coupling section, the electrically conductive segment having an inner diameter dimensioned to match the outer diameter of the electrically conductive layer.

18. The method of claim **16**, further comprising:

positioning the electrically conductive layer around the first optical conduit, the electrically conductive layer having an outer diameter;

positioning the electrically conductive segment in the section body of the second coupling section, the elec-